RhinoROC®

Steel Cement Filled Panel

Perf 800/1000

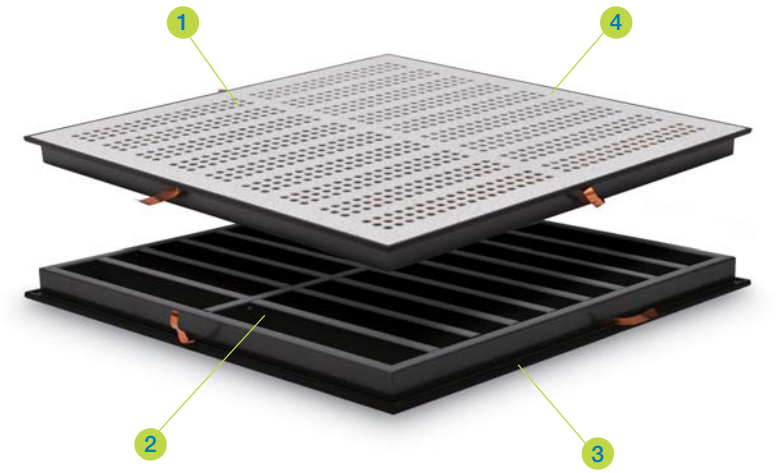
Airflow Panel

RhinoROC® Airflow Panels are manufactured from structural steel technology makes the size and thickness same as Roc Covered panels but light weight. The top surface of the panel is laminated with anti-static HPL or conductive vinyl tiles with numbers of different airflow rates, this resistance welded all-steel panels are the premier choice for computer rooms and data centers.

RHINO®

Strive for perfection!

Panel



1 Airflow Rates
Rates: 15%, 20%, 25%, 30%
35%, 45%, 50%, 65%

2 Bottom Structure
Thickness: 2.0 mm
Material: Steel rectangular tube welded

3 Top Steel-plate
Thickness: 2.0/2.5 mm
Material: Cold rolled steel sheet

4 Finish
Thickness: Various
Material: Bare, Anti-static HPL,
Conductive Vinyl

Description

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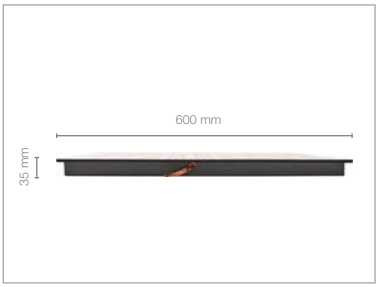
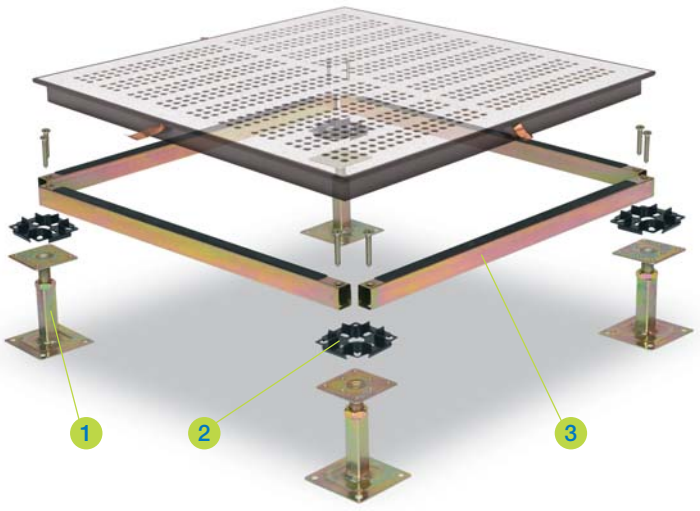
Features

- All-steel structural design
- 90% recyclable
- Light weight easy install and removal
- Powder-coated, protective epoxy finish
- Fully interchangeable with other Roc panels



Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
Perf 800	600mm square	2.00 mm	Cold rollded steel welded	35.00 mm	28 kg/m²
Perf 1000	600mm square	2.50 mm	Cold rollded steel welded	35.00 mm	34 kg/m²

System

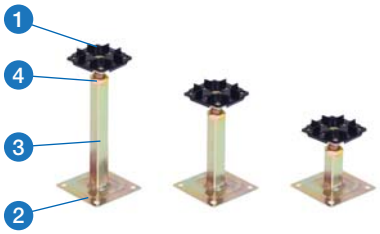


1 Standard Pedestal
Electro-galvanized steel made pedestal is suitable for raised floors with a finished floor height from 150mm to 1800mm. Zinc whisker free is available for special order.
Material: Steel, Yellow Galvanized.

2 Head Gasket
Plastic conductive material with sound proofing and sealing functions, equipped with tabs for the positioning of panels.
Thickness: 2.0mm

3 Stringer
Steel tube performed stringer with plastic gasket on top provide best supports to the structural system with limited air leakage and outstanding acoustic performance.
Dimension: 568mm(L) × 21mm(W) × 32mm(H)
Thickness: 0.8/1.0/1.2mm

Pedestal



1 Head Assembly
Head plate: 75mm × 75mm × 4.0mm
Threaded rod: M19

2 Base Assembly
Base tube: □22mm × 1.5mm
Base plate: 100mm × 100mm × 2.3mm

3 FFH (Finished Floor Height)
150mm to 1800mm

4 Adjusting Range
+/-25mm (FFH150-600)
+/-30mm (FFH600-1200)
+/-40mm (FFH1200-1800)

Performance

- This bolted stringer system is tested in accordance with USA CISCA specification.
- Panel deflection at centre edge must not exceed 2.5mm
- Performance to a safety factor of 3 x static load
- Structural performance based upon a full Rhino access floors system i.e. panels & pedestals.

Panel Type	Understructure	Performance Grades	Static Loads			Rolling Loads		Airflow (CFM)	
			Concentrated Load	Ultimate Load (Safety Factor* 3.0)	Uniform Load	10 Passes	10,000 Passes	0.05" H_2O	0.10" H_2O
Perf 800	Bolted Stringer	Medium Duty	800 lbs 3.56 kN	2,400 lbs 10.68 kN	200 lbs/ft² 10 kN/m²	Not Recommended		550	800
Perf 1000	Bolted Stringer	Heavy Duty	1,000 lbs 4.45 kN	3,000 lbs 13.34 kN	250 lbs/ft² 12 kN/m²	Not Recommended		550	800

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